

O I P
JG128

FORM PTO-1449 (Modified) DEC 04 2000

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

Attorney Docket No.: 2307Z-085820US Application No.: 09/637,844

Applicant: NICHOLAS L. ABBOTT, *et al.*

Filing Date: August 10, 2000 Group: 1639

Reference Designation U.S. PATENT DOCUMENTS Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
ML	AA	4,513,034	04/23/85	Sparer <i>et al.</i>	428	1
	AB	4,597,942	7/1/86	Meathrel, W. G.	422	57
	AC	4,902,106	02/20/90	Dijon <i>et al.</i>	350	350
	AD	5,071,526	12/10/91	Pletcher <i>et al.</i>	204	153.1
	AE	5,130,828	7/14/92	Ferguson, J.L.	359	57
	AF	5,451,683	9/19/95	Barrett, <i>et al.</i>	548	302.7
	AG	5,618,493	4/8/97	Goldstein <i>et al.</i>	422	57
	AH	5,620,850	4/15/97	Bamdad, <i>et al.</i>	530	300
	AI	5,658,491	08/19/97	Kistner <i>et al.</i>	252	299.01
	AJ	5,677,195	10/14/97	Winkler <i>et al.</i>	436	518
ML	AK	5,846,452	12/08/98	Gibbons, <i>et al.</i>	252	299.4

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
ML	AL	WO 97/32202	09/04/97	PCT		
	AM	WO 94/03496	02/17/94	PCT		
	AN	WO 98/04652	02/05/98	PCT		
	AO	WO 97/33737	09/18/97	PCT		
ML	AP	WO 97/35198	09/25/97	PCT		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ML	AQ	Bain, C.D., <i>et al.</i> , "Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Length of the Alkyl Chain," <i>J. Am. Chem. Soc.</i> , 111:7164-7175 (1989)
	AR	Bladek, "New Method of Visualizing Thin Layer Chromatograms by Using Liquid Crystals," <i>J. Chromatography</i> , 405:203-211 (1987)
	AS	Bladek, "Parameters of the Liquid Crystal Method of Visualizing Thin Layer Chromatograms," <i>J. Chromatography</i> , 437:131-137 (1988)
/	AT	Charych, D.H., <i>et al.</i> , "Direct Colorimetric Detection of a Receptor-Ligand Interaction by a Polymerized Bilayer Assembly," <i>Science</i> 261:585-588 (1993)
✓	AU	Charych, D., <i>et al.</i> , "A 'litmus test' for molecular recognition using artificial membranes," <i>Chemistry & Biology</i> 3(2):113-120 (1996)
✓	AV	Cognard, J., "Alignment of Nematic Liquid Crystals and Their Mixtures," <i>Mol. Cryst. Liq. Cryst.</i> , 1:1-74 (1982)
✓	AW	Drawhorn, R.A., <i>et al.</i> , "Anchoring of Nematic Liquid Crystals on Self-Assembled Monolayers Formed from Alkanethiols on Semitransparent Films of Gold," <i>J. Phys. Chem.</i> , 99(45):16511-16515 (1995)
	AX	Dubois, <i>et al.</i> , "Synthesis, Structure...", <i>Annu. Rev. Phys. Chem.</i> , 43:437 (1992)
	AY	Evans, <i>et al.</i> , "Surface-Field Induced...", <i>Faraday Discuss.</i> , 104:37-48 (1996)
✓	AZ	Frey, B.L., <i>et al.</i> , "Covalent Attachment and Derivatization of Poly(L-Iysine) Monolayers on Gold Surfaces As Characterized by Polarization-Modulation FT-IR Spectroscopy," <i>Analytical Chemistry</i> 68(18):3187-3193 (1996)
✓	AAA	Gupta, V.K., <i>et al.</i> , "Design of Surfaces for Patterned Alignment of Liquid Crystals on Planar and Curved Substrates," <i>Science</i> 276:1533-1536 (1997)

B. reusa

6/24/03

FORM PTO-1449 (Modified)		DEC 04 2000	Attorney Docket No.: 2307Z-085820US	Application No.: 09/637,844
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: NICHOLAS L. ABBOTT, <i>et al.</i>	
			Filing Date: August 10, 2000	Group: 1139
<input checked="" type="checkbox"/>	ABB	Gupta, V.K., <i>et al.</i> , "Uniform Anchoring of Nematic Liquid Crystals on Self-Assembled Monolayers Formed from Alkanethiols on Obliquely Deposited Films of Gold," <i>Langmuir</i> 12:2587-2593 (1996)		
<input checked="" type="checkbox"/>	ACC	Gupta <i>et al.</i> , "Optical Amplification of Ligand-Receptor Binding Using Liquid Crystals," <i>Science</i> , 279:2077-2080 (1998)		
<input checked="" type="checkbox"/>	ADD	Hickman, J.J., <i>et al.</i> , "Rational pattern design for in vitro cellular networks using surface photochemistry," <i>J. Vac. Sci. Technol.</i> , 12(3):607-16 (1994)		
<input checked="" type="checkbox"/>	AEE	Hiltrop, J.K., <i>et al.</i> , "On the Alignment of Thermotropic Nematic and Smectic Liquid Crystals on Lecithin Coated Surfaces," <i>Ber. Bunsenges. Phys. Chem.</i> , 98(2):209-213 (1994)		
<input checked="" type="checkbox"/>	AFF	Jackman, R.J., <i>et al.</i> , "Fabrication of Submicrometer Features on Curved Substrates by Microcontact Printing," <i>Science</i> , 269:664-665 (1995)		
<input type="checkbox"/>	AGG	Jerome, B., "Surface effects and anchoring in liquid crystals," <i>Rep. Prog. Phys.</i> 54:391-451 (1991)		
<input type="checkbox"/>	AHH	Jerome, <i>et al.</i> , "Anchoring of Nematic...", <i>Phys. Rev. E.</i> , 48:4556-4574 (1993)		
<input checked="" type="checkbox"/>	AII	Kim, T., "Polymeric Self-Assembled Monolayers. 5. Synthesis and Characterization of ω -Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers," <i>Langmuir</i> 12:6065-6073 (1996)		
<input checked="" type="checkbox"/>	AJJ	Kumar, A., <i>et al.</i> , "Patterned Self-Assembled Monolayers and Meso-Scale Phenomena," <i>Acc. Chem. Res.</i> , 28:219-226 (1995)		
<input type="checkbox"/>	AKK	Lenk <i>et al.</i> , "Structural Investigation of Molecular Organization in Self-Assembled Monolayers of a Semifluorinated Amidethiol," <i>Langmuir</i> , 10:4610-4617 (1994)		
<input type="checkbox"/>	ALL	Miller <i>et al.</i> , "Planar anchoring of nematic 4-n-pentyl-4'-cyanobiphenyl on self-assembled monolayers formed from alkanethiols on gold," <i>Appl. Phys. Lett.</i> , 69(13):1852-1854 (1996)		
<input checked="" type="checkbox"/>	AMM	Mrksich, M., <i>et al.</i> , "Using Self-Assembled Monolayers to Understand the Interactions of Man-Made Surfaces with Proteins and Cells," <i>Annu. Rev. Biophys. Biomol. Struct.</i> , 25:55-78 (1996)		
<input checked="" type="checkbox"/>	ANN	Pan, J.J., <i>et al.</i> , "Molecular Recognition and Colorimetric Detection of Cholera Toxin by Poly(diacetylene) Liposomes Incorporating G _{m1} Ganglioside," <i>Langmuir</i> 13:1365-1367 (1997)		
<input checked="" type="checkbox"/>	AOO	Pozniomek, E.J., <i>et al.</i> , "Use of Liquid Crystals as Vapor Detectors," <i>Mol. Cryst. Liq. Cryst.</i> , 27:175-185 (1973)		
<input checked="" type="checkbox"/>	APP	Proust, J.E., <i>et al.</i> , "Orientation of a Nematic Liquid Crystal by Suitable Boundary Surfaces," <i>Solid State Commun.</i> 11:1227-1230 (1972)		
<input checked="" type="checkbox"/>	AQQ	Spinke, J., <i>et al.</i> "Molecular recognition at self-assembled monolayers: Optimization of surface functionalization," <i>J. Chem. Phys.</i> , 99(9):7012-7019 (1993)		
<input checked="" type="checkbox"/>	ARR	Tarlov, M.J., <i>et al.</i> , "UV Photopatterning of Alkanethiolate Monolayers Self-Assembled on Gold and Silver," <i>J. Am. Chem. Soc.</i> , 115:5305 (1993)		
<input checked="" type="checkbox"/>	ASS	Wagner, P., <i>et al.</i> , "Covalent Immobilization of Native Biomolecules onto Au (111) via N-Hydroxysuccinimide Ester Functionalized Self-Assembled Monolayers for Scanning Probe Microscopy," <i>Biophysical Journal</i> , 70:2052-2066 (1996)		
<input checked="" type="checkbox"/>	ATT	Xia, Y., <i>et al.</i> , "Use of Controlled Reactive Spreading of Liquid Alkanethiol on the Surface of Gold To Modify the Size of Features Produced by Microcontact Printing," <i>J. Am. Chem. Soc.</i> , 117:3274-3275 (1995)		
<input checked="" type="checkbox"/>	AUU	Yang, J.Y., <i>et al.</i> , "Binary self-assembled monolayers: spectroscopy and application to liquid crystal alignment," Masuhara <i>et al.</i> , Eds.; <i>Microchemistry</i> , North-Holland, Amsterdam, pps. 441-454 (1994)		
EXAMINER				
DATE CONSIDERED				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

B. Celsa

6/24/03